SELITSKIY, Yu.A., SOLOVIYEV, S.M.

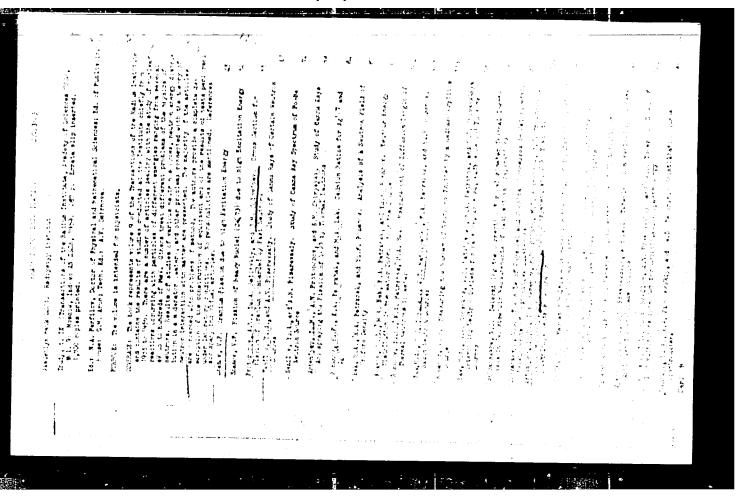
Manufacture of thin targets for tests involving charged particles. Izv. AN SSSR. Ser. fiz. 28 no.10:1724 0 164. (MIRA 17:12)

PROTOPOPOV, A.H.; SELITSERY, Yu.A.; SOLOVYEV, S.H.

14, 6 Me v neutron fission cross section of Th²³² and Mp²³⁷.

Atom.energ. 5 no.2:190-191 F 158. (HIRA 11:4)

(Nuclear fission) (Neutrons)



30V/120-59-4-13/50

AUTHORS: Protopopov, A. N., Selitskiy, Yu. A., Solov'yev, S.H.

TITLE: Ultraviolet Radiation Converters in a Gas Scintillation Counter

PERIODICAL: Pribory i tekhnika eksperimenta 1959, Nr 4, pp 66-69 (USSR)

ABSTRACT: The compounds used are: quaterphenyl, tetraphenylbutadiene, sodium salicylate, and POPOP. The fluorescence decay curves of these substances are examined. Results are given for neutron-induced fission in 250. The counter is filled with xenon; the design is shown in Fig 1, in which the source is at the top, the valve is on the right, and the end-window photomultiplier (type FEU-33) is at the bottom. The pressure used is near atmospheric. The compounds are deposited in various ways on the walls of the counter and (if they are transparent) on the window to the photomultiplier. The optimum thickness is given as 60 mg/cm². The table gives the response to α-particles from 24 Am without converter, with tetraphenyl-butadiene, with quaterphenyl, with sodium salicylate, with POPOP, and with quaterphenyl again. The first

Card 1/3

30V/120-59-4-13/50

Column gives the relative light output; the second gives amplitude resolution (in %) for 5.5 MeV a-particle. The notes state that the converter was on the inside of the quartz window, and on the outside, respectively. Fig 2 shows the poisoning effects produced by vapours of the converters: a) sodium salicylate, b) quaterphenyl, and c) POPOP. The times are in days. Fig 3 shows the amplitude resolution for the fission fragments produced from 235U by 15 MeV neutrons (the broken line represents the actual energy distribution). The decay time is nearly independent of the converter (about 10-8 sec). The converter to be used must be chosen to suit the conditions

Card 2/3

307/120-59-4-13/50

Ultraviolet Radiation Converters in a Gas Scintillation Counter of the experiment. The paper contains 3 figures, 1 table, and 5 references, all English.

ASSOCIATION: Radiyevyy institut AN USSR (Radium Institute of the Academy of Sciences)

SUBMITTED: June 30, 1958.

Card 3/3

21(7) AUTHORS:

Protopopov, A. N., Selitskiy, Yu. A., SOV/89-6-1-9/33

Solov'yev. S. M.

TITLE:

Cross Section of the Fission of Am 241 by Neutrons With an 241

Energy of 14.6 MeV (Secheniye deleniya Am 241 neytronami s

energiyey 14.6 Mev)

PERIODICAL:

Atomnaya energiya, 1959, Vol 6, Nr 1, pp 67 - 68 (USSR)

ABSTRACT:

Americium is precipitated electrolytically on a platinum disk. The target of 15 mm diameter is placed at a distance of 30 mm from the neutron source. The neutrons originate

from the reaction $T(d,n)He^4$. A quantity of 12 μg americium was used. The Pu^{239} content of the preparation was less than

0.6%.

The measuring methods used for determining neutron flux and for counting fissions are described by reference 4. The ission fragments were measured in a gas scintillation counter which was filled with xenon. Transformation of the ultraviolet light flashes of the xenon into visible light was brought about by means of quaterphenyl, which was applied

Card 1/2

Cross Section of the Fission of Am by Neutrons SOV/89-6-1-9/33 With an Energy of 14.6 MeV

to the interior of the counter. The light flashes are recorded by a multiplier TET -33. The pulses originating from the departicles are conveyed to a rapid-action discriminator which is fitted with crystal diodes of the type Dg-3: The pulses are broadened, amplified, and fed into a single-channel catalyzer.

The statistical error committed when counting the fission products amounted to 2%.

The fission cross section for Am 241 for 14.6 MeV neutrons was determined as amounting to 6 = 2.35 ±0.15 b.

The target was produced by G. I. Khlebnikov. A not irradiated target was measured by V. G. Nedovesov in a magnetic despectrometer. There are 1, figure and 4 references, 1 of which is Soviet.

SUBMITTED:

September 22, 1958

Card 2/2

PROTOFOPOV, A.N.; SELITSKIY, Yu.A.; SOLOV'YEV, S.M.

Pission cross-section of uranium for fast neutrons. Trudy Radieva (MIRA 14:6)

inst.AN SSSR 9:55-60: 159.

(Uranium)

ARTEM YEV, Yu.M.; BARANOV, I.A.; BLINOV, M.V.; KUZNETSOV, M.I.; PROTOPOPOV, A.N.; SELITSKIY, Yu.A.; SOLOV YEV, S.M.; SHIRYAYEV, B.M.; EXSMONT, V.P.

Low voltage neutron generator. Trudy Radiev.inst.AN SSSR 9:134-140 159. (MIRA 14:6)

33238

\$/089/62/012/002/010/013 B102/B138

26.2264

Kazarinov, N. M., Matveyev, O. A., Ryvkin, S. M., Solov'yev

S. M., Strokan, N. B., Tarkhin, D. V.

TITLE:

AUTHORS:

Investigation of semiconductor spectrometer counters for

measuring fragment energies

PERIODICAL: Atomnaya energiya, v. 12, no. 2, 1962, 153 - 154

TEXT: U²³⁵ fission fragment energy was measured by semiconductor counters developed at the fiziko-tekhnicheskiy institut im, A. F. Ioffe (Physicotechnical Institute imeni A. F. Ioffe). The surface-barrier junction of these counters was produced by spraying gold onto an n-type silicon plate. These counters, which were studied earlier by the authors (Atomnaya energiya, 11, no. 3, 217, 1961), were found to be well suited (Atomnaya energiya, 11, no. 3, 217, 1961), were found to be well suited for alpha spectrometry (resolution 0.5% for E = 5.5 Mev). The volume charge region was about 60 for maximum voltage, much greater than the fragment range in silicon. Fragment energy was measured with a 0.5 mm Al target, placed in a thin-walled aluminum vacuum chamber. The target had a vacuum-sprayed layer of UF₄, enriched in U² to 92.8%. Diameter of the Card 1/3

33238 s/089/62/012/002/010/013 B102/B138

Investigation of semiconductor *.. layer was 1.2 cm, and the total weight was 120 Mg. The silicon counter was placed 1.5 cm below the target to avoid being hit by the neutron beam collimated into the chamber. The counter pulses were fed to a preamplifier and thence to a 100-channel analyzer. The fragment energy spectra thus measured differed considerably from those obtained from time-offlight measurements. This was found to be due to energy losses in the counter surface, which were atrongly dependent on the angle of incidence of the fragments. As the fragments lose most of their energy in the first part of their path this effect was much higher for them than for alphas. Special counters of 16 mm² area were produced with a thinner layer of gold and the energy spectrum was measured again and compared as before. This time the shape was the same, with a difference of about 7 Mev in absclute values This is attributed partly to energy losses in the fissile layer, and partly to the energy being carried away by fission neutrons. In the Au layer losses do not exceed 1 Mev. Apart from other advantages the silicon counters yield better results than e. g. ionization chambers. There are 2 figures and 5 references: 1 Soviet and 4 non-Soviet. The four references to implish-language publications read as follows: W Stein: Card 2/3

33235 \$/089/62/012/002/010/013 B102/B138

Investigation of semiconductor ...

Phys. Rev. 108, 94, 1957; H. Smitt et al. Bull. Amer. Phys. Soc., Ser. 11, 6, No. 3, 240, 1961; H. Joyner et al. IRE Trans. Nucl. Sci. 8, No. 1, 94, 1961; J. Wahl Phys. Rev. 95, 126, 1954.

SUBMITTED: July 28, 1961

Card 3/3

Wishnikuk, V.F., RYMINA, B. ... MICHIGAN, J.M., CHUBURKOVA, I.I.

Usability of large-area semiconductor detectors for X-spectrometry.
Atom. energ. 15 no.42724 0 '63. (MIRA 16:10)

"APPROVED FOR RELEASE: 08/25/2000

CIA-RDP86-00513R001652320006-6

ENT(m)/ENP(i)/EPA(w)-2/ENP(t)/ENP(b)/ENA(m)-2 IJP(c) L 1635-66 UR/0120/65/000/003/0219/0220 ACCESSION NR: AP5016398 539.234 AUTHOR: Selitskiy, Yu. A.; Soloviyev, S. M. TITIE: Preparation of thin metal films and their use in targets SOURCE: Pribory i tekhnika eksperimenta, no. 3, 1965, 219-220 TOPIC TAUS: particle accelerator target, metal film ABSTRACT: G. Dearnaley's method (Rev. Sc. Instr., 1960, 31, 197) of preparing thin carbon films on a scap-coated glass plate was modified by substituting Al, Ag, Cu, Pb, and Bi for carbon. Vacuum-sprayed at 10⁻⁴-10⁻⁵ torr metal films with a weight of 20-70 Mg/cm² were obtained (Al + 20-700, Ag - 40-700, Cu, Pb, Bi, - 200 Mg/cm²). Al and Ag films were used as backings for uranium-tetrafluoride and thorium targets. Orig. art. has: no figure, formula, or table. ASSOCIATION: none EECL: 00 SUBMITTED: 22Apr64 OTHER: 001 NO REF SOV: 001 Card 1/1

L 13172=66 EWT(m)/EWA(h)

ACC NR: AP6001152

SOURCE CODE: UR/0367/65/002/003/0460/0465

AUTHOR: Nemilov, Yu. A.; Selitskiy, Yu. A.; Solov'yev, S. M.; Eysmont, V. P.

ORG: None

TITLE: The angular anisotropy of fission by sub-barrier deutrons

SOURCE: Yadernaya fizika, v. 2, no. 3, 1965, 460-465

TOPIC TAGS: nuclear fission, fission product, deutron bombardment, uranium, plutonium, angular distribution

ABSTRACT: This article presents the results of new measurements of the angular distribution of fission products for the fission of heavy nuclei by deutrons of various energies (below the Coulomb barrier). Specific details are given for U^{205} and Pu^{205} , and deutron energies between 5.7 and 12.1 Mev. It is found that the angular distributions are appreciably anisotropic and that the energy dependence of the anisotropy of the odd-even nuclear targets has certain significant features. For example, for Pu^{205} the anisotropy increases with a decrease in deutron energy, whereas for U^{205} it decreases and passes into the region of "negative" values $O(0^\circ) / O(90^\circ) < 1$). The significant features indicated are interpreted as the result of the specific feature of the interaction of low-energy deutrons with heavy nuclei. In conclusion, the authors note that, given data more precise than that available at present, the results of the present work may be employed for the calculation of the moments of inertia at the saddle point for nuclei which differ from those studied earlier according to the nucleon composition and excitation energy. Orig. art.

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EWT(1)/T/EED(b)-3 IJP(c) 3837-66 UR/0368/65/002/006/0558/0561 AP5017496 ACCESSION NR: 771.534 AUTHOR: Kheynman, A. S.; Karaul'shchikova, R. V.; Volkova, G. S.; Parfenova, M.; Vompe, A. F.; Aleksandrov, I. V.; Kurepina, G. F.; Ivanova, TITIE: Infrachromatic materials for scientific and technical purposes 66 SOURCE: Zhurnal prikladnoy spektroskopii, v. 2, no. 6, 1965, 558-561 TOPIC TAGS: IR photography, photographic emulsion, photographic processing ABSTRACT: The article summarizes the photographic properties of new infrachromatic films and plates devaloped at NIKFI (Scientific Research Institute of Motion Picture Photography "to increase the stability and sensitivity of infrachromatic materials used for spectroscopy, astro-photography, and other scientific purposes. Tables of the photographic characteristics of the films and plates are listed, and spectral sensitivity curves are given for all the emulsions. The appropriate development techniques are also discussed. The individual films are compared with those produced by Eastman Kodak. It is recommended in the conclusion that the available assortment of infrachromatic emulstions (11 types in the SSSR) be reduced, since Eastman produces only four types which seem to meet all the requirements. Orig. art. has: 3 figures and 4 tables. Card 1/2

"APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652320006-6

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17047-60 Ewil (m) SOURCE CODE: UR/0367/66/003/001/0065/0072 ACC NRI AMO16809 AUTHOR: Selitakly, Yu. A.; Solov'yev, S. M.; Eyamont, V. P. 19 ORG: none TITLE: Characteristics of the fission of The by deuterons and the dependence of the kinetic energy of the fragments on the excitation energy of the fissioning nuclei SOURCE: Yadernaya fizika, v. 3, no. 1, 1966, 65-72 TOPIC TAGS: thorium, fission product, nuclear fission, deuteron reaction, kinetic energy, excitation energy ABSTRACT: To obtain further information on the dependence of the kinetic-energy distribution of fission fragments on the excitation energy, the authors have undertaken a comparison of the properties of mass and kinetic-energy distributions of Th232 fishioned by 9 and 12.1 Mev deuterons. The energies of paired fission fragments were measured with previously described semiconductor-detector apparatus (YaF v. 1, 677, 1965). Approximately 10,000 fragment pairs were registered for each value of the deuteron energy. The measurements yielded the fragment mass distribution, the averege fragment energies, and the dispersion of the determined masses, as well as the distributions for the kinetic energy at fixed masses. The results, together with data obtained by others, are analyzed from the point of view of the model of "nuclear shells in fragments" and the postulated existence of two independent types of fission (symmetrical and asymmetrical). It is shown that if the model of two types of 1/2 Card

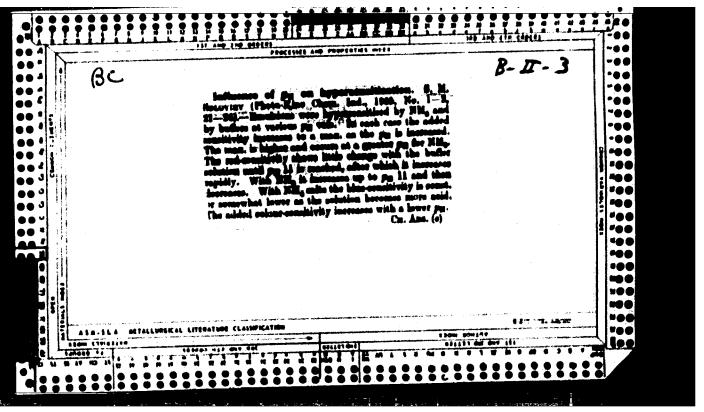
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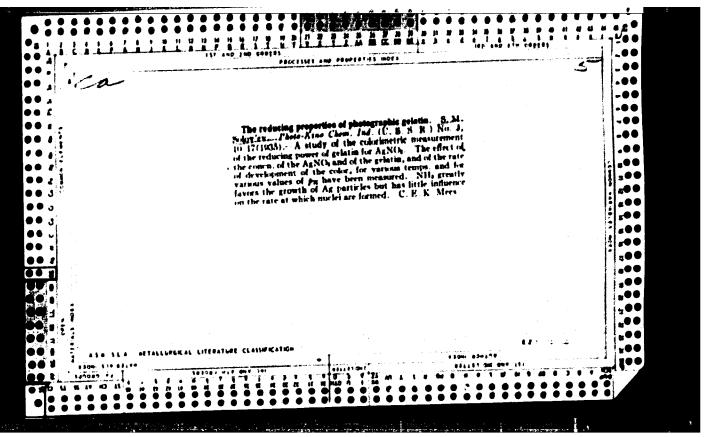
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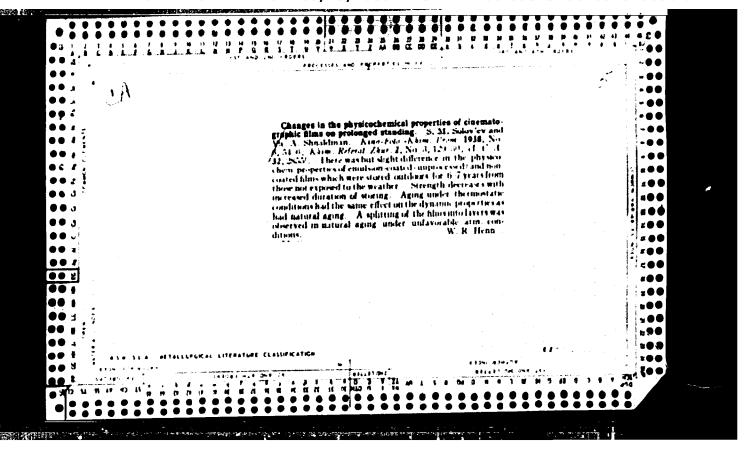
fission is assumed, most of the experimental data obtained at medium energies can be reconciled with the theory, whereas the shell-effect, surface tension, and viscosity concepts, which are physically more clear than the two-fission model, have not been sufficiently well developed to serve as a basis for a quantitative analysis. Orig. art. has: 3 figures, 8 formulas, and 1 table.

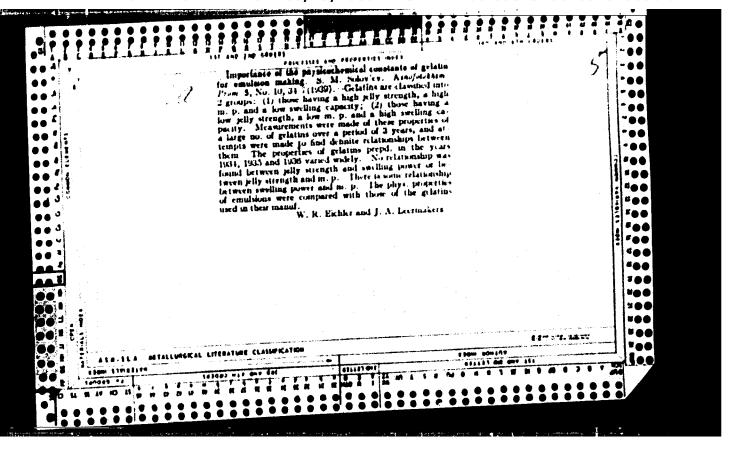
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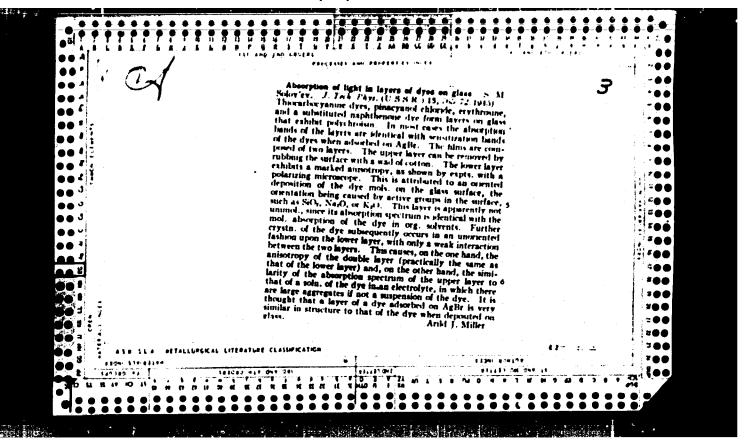


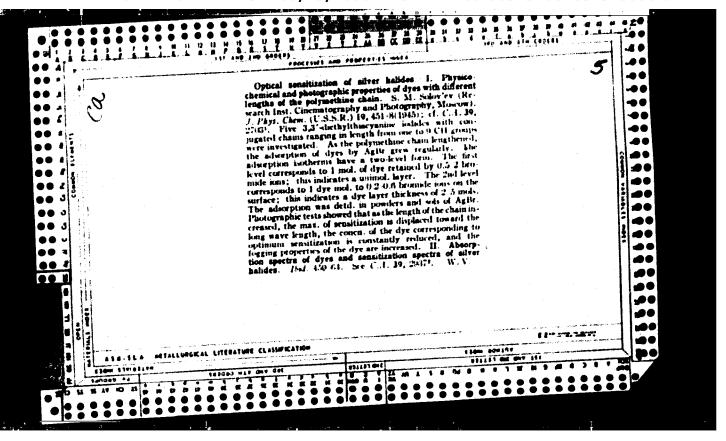


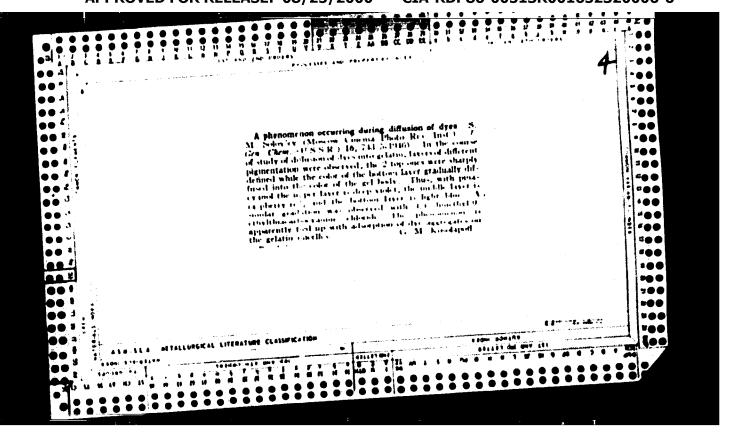


SOLOV'YEV, S. A.

"Investigations of Optical Sensitization of Silver Halides II. Absorption Spectra of Dyes and Sensitization Spectra of Silver Halides." Acta Phys., 19, No. 6, 1944; Sci. Research Inst. of inematog. and Photog., Moscow.

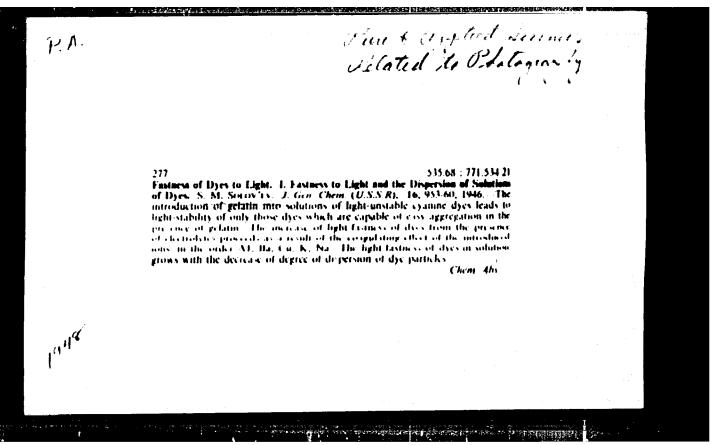


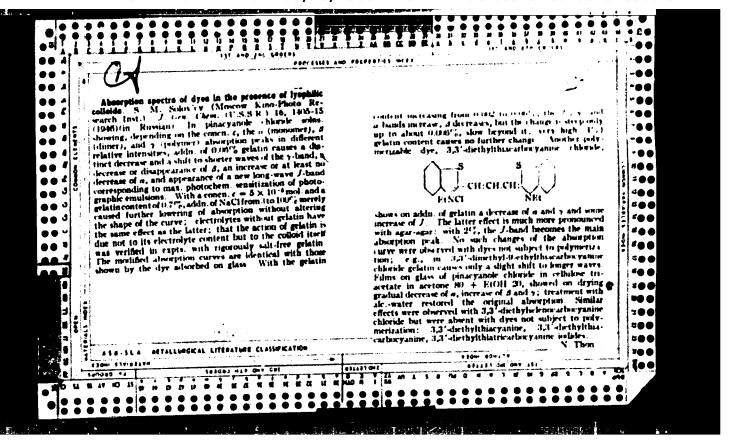




Solic. Tra., S. N.

"Absorption Spectra of Pigments in the Fresence of Lyophile Colloids," Zhur.
Cbshch. Khim., 16, No. 9, 1946, Moscow Scientific-Research Cinema-Photo Inst.,
Moscow, -1944-.





P.A.

Part + applied Seconds

Investigations of Light Fastness of Dyes. II. Light Fastness of Solutions of Various Dyes of Different Degrees of Dispersity. S. M. Solow'ry. J. Gen. Chem. (U.S.S.R). 16, 1416-20, 1946. On 29 common light filter dyes, the degrees of dispersity were determined by diffusion experiments from a 0.02°, aqueous solution into a 10°, gelatin gel, extending over eight days; light fastness on illumination of 0.02°, aqueous solutions by a 500-wat lamp at 25 cm distance was determined by daily determinations of the absorption curves in the visible range. Molecular disperse dyes (phenosatranine, methylene blue show the poorest fastness; e.g., the absorption coefficient in the 600 m_{th} peak of methylene blue fell from 1.8 to 0.5 in 120 hours. Colloidal dyes to g., toluidate green, aphthol green. Congo red, showed hardly any fading after five days in this group, only etythrom showed low light fastness. Semi-colloidal dyes on this group, only etythrom showed low light fastness. Semi-colloidal dyes of degrees of helit fastness but are, as a rule composed between the colloidal disconficted from the configuration is featured by with an abnormalisation, the rate of the reactions resulting in fading is primarily determined by sourface development. Fig. the dispersity, this factor alone is insufficient to count for the differences found in the semi-colloidal group where specificities finolecular structure must play a determining role.

Chem. 4bs.

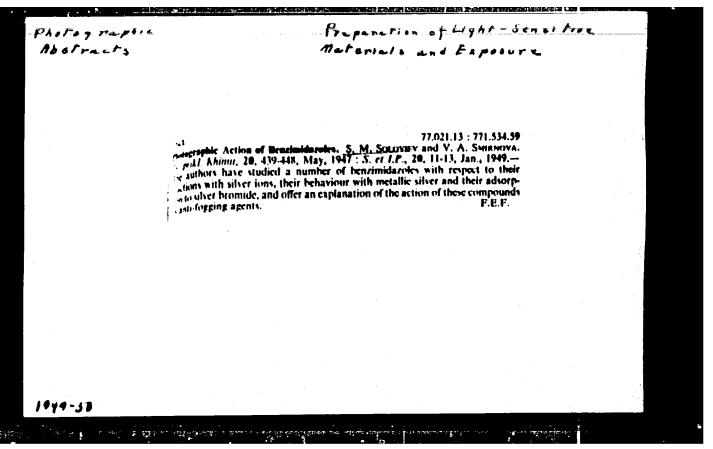
174

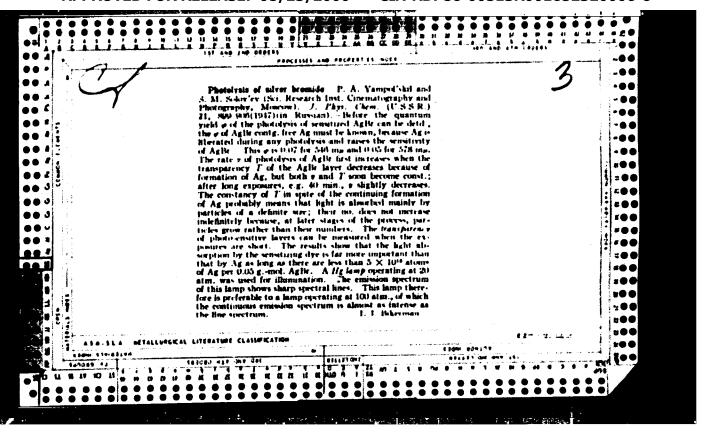
SOLOV'YEV, S.M.

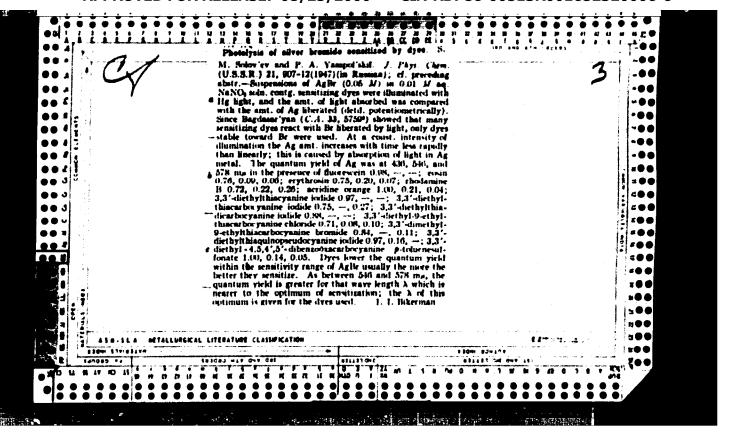
Spectra of absorption of dyes and spectra of the sensitising of silver halide. Trudy NIEFI no.7:46-51 47. (MIRA 11:6)

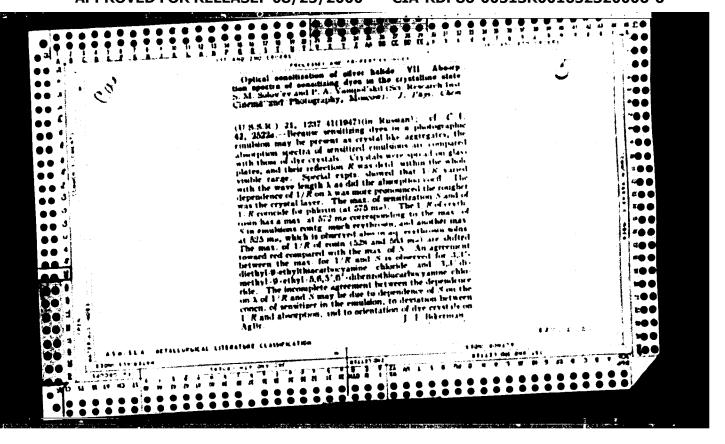
1. Laboratoriya tekhnologii fotosloyev Mauchno-issledovatel skogo kino-foto-instituta, Moskva.

(Dyes and dyeing)









South Yer, S.M

USSR/Optics

K

Abs Jour: Referat Zhur-Fizika, 1957, No 4, 10661

Author : SoloV'yev, S.M.

: Not Given Inst

: New High Sensitive Infrachromatic Film Title

Orig Pub: Zh. nauch. i prikl. fotogr. i kinematogr., 1956, 1, No 3,

233-234

Abstract: Description of the fields of application and processing condition

of the high sensitivity infra-film, produced by the firm Kodak.

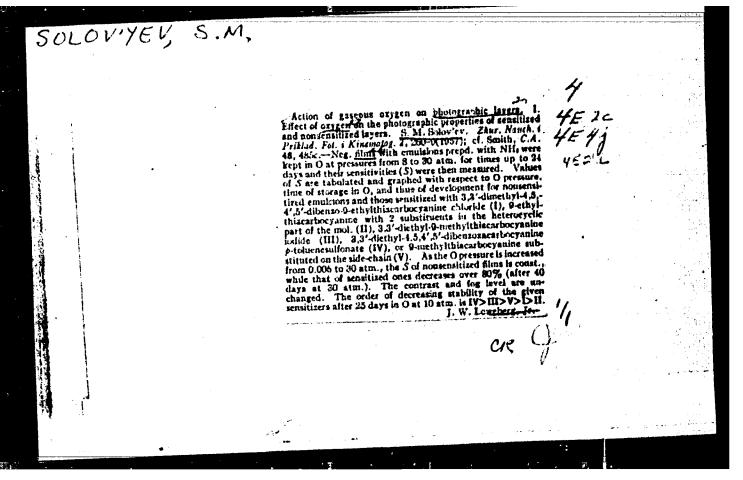
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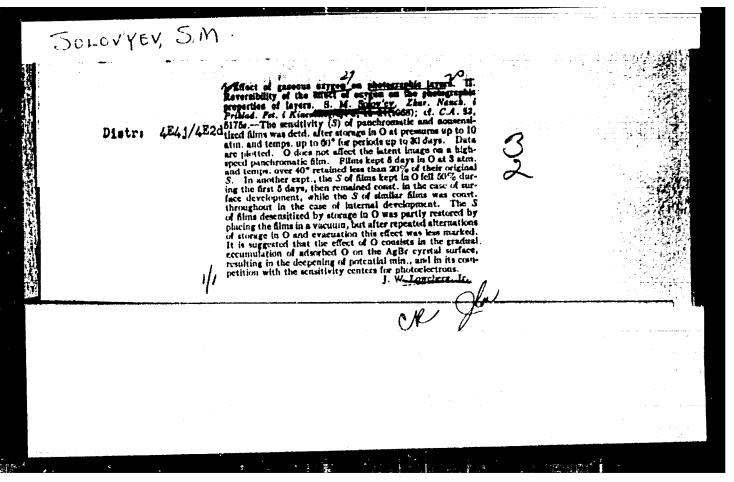
1145 613.466 .**S**6

Solov'yev, Sergey Mikhaylovich

Fotograf irovaniye v infrakrasnykh luchakh [Photographing with infra-red rays] Moskva, "Iskusstvo," 1957.

85 (1) p. illus., diagrs., graphs, tables.
"Literatura" p. 84-(86)





Solov'yev, S.M., Parfenova, N.M. SOV 77-3-4-12/23 AUTHORS:

A Means of Increasing the Stability of Hypersensitized Infra-TITLE: chromatic Films (Sposob povysheniya stabil'nosti gipersensibi-

lizirovannykh infrakhromaticheskikh plenok)

Zhurnal nauchnoy i prikladnoy fotografii i kinematografii, 1958, PERIODICAL:

Vol 3, Nr 4, pp 285 (USSR)

ABSTRACT: In experiments to discover a means of stabilizing hypersensi-

tized infrachromatic film, films which were sensitized to the various bands of the infrachromatic spectrum, were dipped in an intermediate bath of 5-methyl-7-oxy-2,3,4-triasaindolysine. It was found that these films preserved their heightened sensitivity unchanged for 20 days followed by a gradual falling off as the fog began to appear and an increase in density. In untreated hypersensitized films, fog increases rapidly and the film is unfit for use within 1-2 days after hypersensitization. The

or or a decimal trade with because on the confidence of the

stabilizing technique is described step by step. There is 1

Card 1/2 non-Soviet reference.

SOV 77-3-4-12/23

A Means of Increasing the Stability of Hypersensitized Infrachromatic Films

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (The

All-Union Research Institute for Photography and Cinematography)

SUBMITTED: April 8, 1958

1. Infrared films--Stability 2. Infrared films--Sensitivity

3. Infrared films -- Test results

Card 2/2

23(5)

SOV/77-4-2-5/18

AUTHOR.

Solov'yev, S.M.

TITLE:

The Desensitizing Properties of Sensitizers (Desensi-

biliziruyushchiye svoystva sensibilizatorov)

PARIODICAL:

Zhurnal nauchnoy i prikladnoy fotografii i kinematogra-

fii, 1959, Vol 4, Nr. 2, pp 106-115, (USSR)

ABSTRACT:

The author refers to two methods of changing a sensitizer into a desensitizer: 1) introducing nitro groups into a molecule of the sensitizer, or nitrogen atoms into the polymethylene chain / Ref. 17; 2) using the sensitizers when introducing them into a photographic emulsion with a surplus of bromide water. Luppo-Cramer / Ref. 2 / a surplus of bromide water. Sensitizing dyes acquire desensitizing that in this case, sensitizing dyes acquire

a surplus of bromide water. Luppo-Cramer / Ref. 2 / showed that in this case, sensitizing dyes acquire desensitizing properties; the light sensitivity of sensitized plates containing bromide is lower than that of plates containing bromide but no dye / Ref. 3 /. In this article containing bromide but no dye / Ref. 3 /. In this article the author discusses a third method, consisting of pro-

Card 1/4

SOV/77-4-2-5/18

The desensitizing Properties of Sensitizers

cessing the photographic layers with a dye previously oxidized in a bromine water solution. The experiments were carried out as follows; a spirit solution of the dye-sensitizer 3,3' -dimethyl- 4,5,4',5' - dibenzo-9-ethyl-thiacarbocyaninechloride (hereinafter called dye 1) with a concentration C=1.10-4 M/liter was prepared. Increasing quantities of bromine water were added to the dye solution, which was crimson-violet before oxidation, so that dark-violet, dark-blue, dark-green and finally yellow-brown colors were obtained. The bromine content in the bromine water was determined analytically and then the number of bromine atoms which had combined with one molecule of the dye was calculated for all the color changes. Thus it was found that the original crimson color changed to dark crimson when 1-2 bromine atoms had combined, into dark blue at 5 about 3, into green at 4-5 and into yellow-brown at 6-7. Evaluation

Card 2/4

507/27-4-2-5/18

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The Desensitizing Properties of Sensitizers

of the desensitizing properties of exidized dyes in their action on sensitized photographic layers was achieved by the normal method, determining their effect on the light sensitivity and the latent image. Tests were carried out on other cyanine dyes which were found to be active acceptors of bromine; the oxidized dyes had scarcely any effect on the latent image but strongly suppressed the light sensitivity. The conclusions of the author are: 1) when sensitized dyes are oxidized in a solution of bromine water and washed in a bath with an exidized dye of sensitized photographic materials, the dyes act as typical desensitizers which have practically no effect on the latent image and lower the total and additional light sensitivity to the same or an even greater degree than the wellknown desensitizers phenosafranine and green pinacryptol, 2) when a series of sensitized dyes are oxi-

Card 3/4

SOV/77-4-2-5/18

The Desensitizing Properties of Sensitizers

dized in a solution of bromine water and then introduced into a non-sensitized emulsion, the dyes lose their sensitizing properties in direct proportion to the degree of oxidation; 3) different sensitizing dyes when oxidized by bromine water show different desensitizing properties; out of the thiacarbocyanine derivatives tested, dye 1 had the greatest desensitizing action. Finally the author conveys his gratitude to V.1. Dmitriyeva and V.A. Smirnova, who carried out the experimental part of the research. There are 8 graphs, 6 tables and 5 references, 1 of which is Soviet, 2 German 1 and 1 man, 1 English and 1 French.

ASSOCIATION: Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI) (All-Union Scientific Research Institute for

Cinephotography) (NIKFI)

SUEMITTED:

October 16, 1956

Card 4/4

PHASE I BOOK EXPLOITATION

sov/4696

Solov'yev, Sergey Mikhaylovich

Infrakrasnaya fotografiya (Infrared Photography) Moscow, Gos. izd-vo "Iskusstvo," 1960. 215 p. 8,700 copies printed.

Special Ed.: G. S. Baranov; Ed.: A. N. Teleshev; Tech. Ed.: V. A. Gorina.

PURPOSE: This book is intended for persons engaged in the study and uses of infrared photography.

COVERAGE: This book presents the general principles and concepts of infrared photography, as well as data on sources of infrared radiation, light filters, and special photomaterials and their processing. It also presents data on long distance and aerial photography, and on the application of infrared photography in medicine, zoology, botany, and in other fields of science and technology. An appendix contains 23 sample plates. The author thanks L. Ya. Kraush, V. I. Pashkova, and S. A. Drukker. References accompany each chapter.

Card 1/7

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652320006-6"

JT 1 CALLANDATELE

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PHASE I BOOK EXPLOITATION

sov/4159

Akademiya nauk SSSR. Komissiya po nauchnoy fotografii i kinematografii

Uspekhi nauchnoy fotografii, tom 7: Priroda fotograficheskoy chuvstvitel'nosti.

Izgotovleniye galoidoserebryanykh fotograficheskikh sloyev.

Opticheskaya sensibilizatsiya i gipersensibilizatsiya. Khimiko-fotograficheskaya obrabotka svetochuvstvitel'nykh sloyev (Nature of Photographic Sensitizing tivity. Preparation of Haloid-Silver Photographic Layers. Optical Sensitizing and Hyper-Sensitizing. Chemical-Photographic Treatment of Photo-Sensitive and Hyper-Sensitizing. Chemical-Photographic Treatment of Photo-Sensitive Layers) Moscow, 1960. 260 p. Errata slip inserted. 1,800 copies printed.

Editorial Board: K.V. Chibisov (Resp. Ed.) Corresponding Member, Academy of Sciences USSR, V.I. Sheberstov (Deputy Resp. Ed.) Candidate of Chemical Sciences, Professor, Sciences, Docent, Yu. N. Gorokhovskiy, Doctor of Chemical Sciences, Professor, G.A. Istomin, Doctor of Technical Sciences, Professor, and I.I. Levkoyev, Candidate of Chemical Sciences; Ed. of Publishing House: K.I. Markhilevich; Tech. Ed.: G.S. Simkins.

FURFOSE: This collection of articles is addressed to those working in theoretical and applied photography and cinematography, and to researchers in the chemistry

Card 1/1

Nature of Photographic Sensitivity (Cont.)

807/4159

and physics of photographic processes.

COVERAGE: The collection contains articles from the editorial files of the Zhurnal nauchnoy i prikladnoy fotografii i kinematografii discussing problems in the preparation and processing of haloid silver light-sensitive layers, the nature of photographic sensitivity, the preservability of photographic layers, the theory and technology of the preparation of photographic emulsions and optical sensitization, and, finally the chemical photographic processing of black-andwhite and color photographic materials. Many of the articles contain the white and color photographic materials. Many of the authors. The collection also results of scientific investigations made by the authors. The collection also includes several reviews of current problems in the theory of chemical-photographic processes. A bibliography of Soviet and non-Soviet references accompanies each article.

TARLE OF CONTENTS:

I. MATURE OF PHOTOGRAPHIC SENSITIVENESS.
PREPARATION OF HALOID SILVER PHOTOGRAPHIC LAYERS

Chibisov, K.V. Nature and Formation of Photographic Sensitiveness (Remarks on Mitchell's Theory)

3

Card 2/7

Nature of Photographic Sensitivity (Cont.) SOV	/4159
Sheberstov, V.I. Aging and Stabilization Processes of Photograph: Layers	ie 25
Solovivev, S.M., and V.A. Dmitriyeva. Aging of Photographic Emuland Quantity of Illumination During Exposure	sions 50
Vendrtvskiy, K.V. Effect of Preparation and Processing Condition Photographic Layers on Deviation From the Law of Interchange	s of 57
Moshkovskiy, Yu. Sh. Effect of Chemical Sensitization on the Sen of Photographic Emulsions at Low Illumination Intensities	sitivity 77
Protes, I.P., Yu. A. Krakau, and P.T. Sidorenkova. Role of Thiccyanogen Ions in the Chemical Sensitization of Photographic With Gold	
Novikov, I.A., and N.S. Gafurova. Investigation of Effect of Soc Thiosulfate on the Photographic Properties of Emulsions Sensitize Gold	lium ed With 96
Card 3/1	

Nature of Photographic Sensitivity (Cont.) Sov/4159	
Novikov, I.A. Change in the Dispersion of Small Grain Emiliations In the Chemical Aging Process	103
Kirillov, R.I., Yu. G. Chikishev, and V.L. Zelikman. Contimious	108
Zelikman, V.L., and Te. B. Kendrat'yeva. Gelatin Concentration in	115
the First Aging Levi, S.M. Modern Concepts of Gelatin Structure	120
Zimkin, Ye. A., and S.I. Paronik. Albuminous Type Admixtures	134
In Photographic Galactic Levi, S.M. Modern Concepts of the Rheologic Properties of Gelatin Levi, S.M. Modern Concepts of the Rheologic Properties of Gelatin	137
Uvarova, V.M., and V.A. Mulitseva. Search for Ways of Improving the Structural Mechanical Properties of Photographic Layers for Nuclear Research	150
Card 4/7	

Nature of Photographic Sensitivity (Cont.) 807/4159	50V/41 59	
Zelikman, V.L., Methods of Tanning Photographic Emulsions	161	
Levi, S.M., Effect of Wetting Agents in Mixtures and During Miltilayer Coating	170	
Redicheva, M.F., Elementary Composition of Nuclear Photographic Emulsions	178	
II. OPTICAL SENSITIZATION AND HYPERSENSITIZATION		
Berin, A.V. Investigation of Concentration Effect During Optical Sensitization of Photographic Emulsions	183	
Pokrovskaya, K.I. Investigation of Interaction of Merocyanines With Silver Ions in Solution	191	
Solov'yev, S.M. Hypersensitization of Infrachromatic Layers	201	

APPROVED FOR RELEASE: 08/25/2000 CIA-RDP86-00513R001652320006-6"

Nature of Photogram	phic Sensitivity (Cont.)	sov/ 4159	
Arnol'd, Ts. S. P.	246		
Litorchenko, G.D., Developers	and S.A. Shiptsyn. Problem of	Storage of	253
AVAILABLE: Librar	y of Congress		74 /1 mb /mag
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SOLOV'YEV, S.M.

Simplified testing of photographic materials for stability by means of storage in an oxygen atmosphere. Zhur.nauch.i prikl.fot. i kin. 5 no.6:406-412 N-D **160.

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut. (Photography—Films—Testing)

S/081/62/000/005/070/112 B156/B108

AUTHORS:

Solov'yev, S. M., Parfenova, N. M.

TITLE:

Variation in natural and induced sensitivity to light when

photographic film is stored

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 5, 1962, 502, abstract 51406 (Tr. Vses. n.-i. kinofotoin-ta, no. 35, 1960, 82-87)

TEXT: To find the mechanism whereby photographic film ages, variations in the natural and induced light sensitivities were investigated during the ageing of panchromatic and infrachromatic film; it was established that there is a simultaneous decrease in the natural and induced sensitivities to light. Abstracter's note: Complete translation.

Card 1/1

Investigating de adsorption on silver halides in the low saturation area of the surface. Zhur.nauch.i prikl.fot.i kin. 6 no.5:323-333 S-0 '61. (MIRA 14:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy kinofotoinstitut (NIKFI). (Photographic emulsions)

SOLOV'YEV, S.M.; STAROSEL'SKIY, A.L.

Analyzing the spectral reflecting characteristics of natural formations in order to select the optimum zones of sensitization of the sensitive layers. Trudy NIKFI no.51:104-119 '62. (MIRA 16:12)

New method for stabilizing hypersensitized layers. Zhur.nauch. 1
prikl. fot. 1 kin. 8 no.2:146-147 Mr-Ap *163. (MI:A 16:3)
prikl. 1. Vsesoyuznyy nauchno-issledovatel*skiy kinofotoinstitut (NIKFI).
(Photographic emulsions) (Photographic sonsitometry)

SOLOVIYEV, S.M.

Diorama for testing motion-picture films. Zhur, nauch. i prikl. fot. i kin. 8 no.6:460-461 N-D 163. (MIRA 17:1)

1. Vsesoyuznyy nauchno-issledovateliskiy kinofotoinstitut (NIKFI).

ACCESSION NR: AR4015699

8/0081/63/000/023/0456/0456

SOURCE: RZh. Khimiya, Abs. 23N357

AUTHOR: Solov'yev, S. M.; Starosel'skiy, A. L.

Analysis of the spectral reflecting properties of natural formations with the aim of selecting the optimal zones of sensitization on light-sensitive

CITED SOURCE: Tr. Vses. n.-i. kinofotoin-ta, vy*p. 51, 1962, 104-119

TOPIC TAGS: photography, film, light sensitivity, reflection, spectral reflecting property, film sensitization

ABSTRACT: It was shown that the best decoding properties on aerial photographs can only be achieved by a complete correspondence between the spectral distribution of the zones of sensitivity of the photographic materials and the relative intensity of the objects in the picture. Recommendations are given as to the choice of spectral zones of sensitivity for aerial photographs. V. Ch.

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AFWL/BSD/ASD(p)-3/AEDC(a)/ASD(a)-5/AFHDC/SSC/ESD(t)L 14000-65 EWT(m)/T/EWA(m)-2 \$/0048/64/028/010/1724/1724 ACCESSION NR: AP4048647 AUTHOR: Selitskiy, Yu. A.; Solov'yev, S. H. В parametria de la constitución de TITLE: Preparation of thin targets for charged-particle work SOURCE: AN SSSR. Izv. Seriya fizicheskaya, v. 28, no. 10, 1964, 1724 TOPIC TAGS: charged particle, thin target, reactor physics, nuclear spectroscopy, deuteron ABSTRACT: A simplified method of preparing thin 2 x 2 cm targets with a substrate thickness varying from 4.10-5 to 10-3 gr/cm2 and an active-area thickness of up to 3.10- gr/cm2 for experimental research on charged particles is described. Targets were prepared by evaporating aluminum or silver and either uranium or thorium tetra-

with a substrate thickness varying from 4-10 to 10 gr/cm and active—area thickness of up to 3.10 gr/cm for experimental reactive—area thickness of up to 3.10 gr/cm for experimental research on charged particles is described. Targets were prepared by search on charged particles is described. Targets were prepared by evaporating aluminum or silver and either uranium or thorium tetra-evaporating aluminum or silver and either uranium or thorium tetra-evaporating aluminum or silver and either uranium or thorium tetra-evaporating on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluoride on a glass plate covered with a thin layer of liquid soapfluorid

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NEMILOV, Yu.A.; PAVLOV, V.V.; SELITSKIY, Yu.A.; SOLOV'YEV, S.M. EYSMONT, V.P.

Distribution of the masses and kinetic energies of fragments in the fission of Th^{2,32} by 12 Mev. deuterons. IAd. fiz. 1 no.4:633-638 Ap 165. (MIRA 18:5)

JD/NH/JG/DM EWT(m)/EFF(n)-2/EAP(t)/EAP(b)/EAA(h) IJP(c) L 64368-65 UT/0089/65/018/005/0456/0 ACCESSION NR: AP5014534 y4 << V.; Selitskiy, Yu. A.; Nemilov, Yu. A.; Pavlov, V. AUTHOR: Ey.smont, V. P. 44,55 Total and differential cross sections for the fission of uranium and TITLE: thorium by low-energy deuterons Atomnaya energiya, v. 18, no. 5, 1965, 456-459 TOPIC TAGS: uranium, thorium, fission cross section, subbarrier deuteron, total cross section, differential cross section, fission fragment detection ABSTRACT: By registering the fission fragments with glass plates, the authors were able to determine the total and differential cross sections for the fission of Th²³², U²³³, U²³⁵, and U²³⁸ by deuterons of energy much lower than the Coulomb barrier (6.6 MeV and below). Ordinary photographic plates were used, the emulsion serving as a protection for the surface. The targets were made by evaporating fluorides of uranium and thorium on thin silver substrates. The deuterons were accelerated in a cyclotron and their energy was determined accurate to 0.1 MeV. The experimental set-up is illustrated in Fig. 1 of the Enclosure. The results are compared with published data in which the cross sections have been obtained with Card 1/3

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ACCESSION NR: AP5014534

semiconductor detectors at larger deuteron energies. The differential cross sections of all nuclei varied smoothly within a narrow range at the investigated deuteron energies. The anisotropy of the angular distribution was quite smooth in all cases, except that for U²³⁵ the angle distribution of the fragments had a maximum not at 0° but at 90° to the beam. Although the results did not differ greatly from those obtained by others, it is indicated that the reactions preceding fission of nuclei having different neutron fission thresholds and bombarded by subbarrier deuterons may differ noticeably from those at higher energies. Orig. art. has:

ASSOCIATION: none

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NR REF SOV: 005

OTHER: 006

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ENCLOSURE: 01



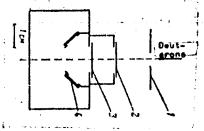


Fig. 1. Setup for the measurement of fission cross sections:

1 - Diaphragm, 2 - foils for the measurement of deuteron energy, 3 - target, 4 - glass plate to register the fission fragments.

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Revolving tailstock center., Stan. 1 snstr., 23, nc. 1, 1952.

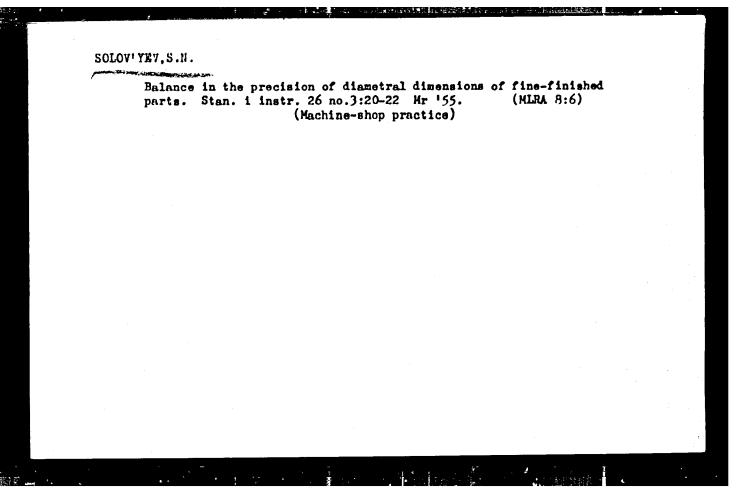
Monthly List of Russian Accessions, Library of Congress, April 1952. Unclassified.

SOLOV'YEV, S.N., kandidat tekhnicheskikh nauk.

High-speed surface milling. Trudy VIGM no.17:119-137 '54.

(MLRA 9:3)

(Hydraulic machinery) (Machine-shop practice) (Surfaces (Technology))



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SOLOV'YEV, S.N., inzh.

Errors in the shape of cylindrical surfaces of workpieces in cross sections perpendicular to the axis. Vest. mash. 3? no.8:57-61 Ag '57.

(Surfaces (Technology)) (MIRA 10:9)

25(1)

PHASE I BOOK EXPLOITATION

SOV/2245

Moscow. Stankoinstrumentalinyy institut

- Voprosy tochnosti v tekhnologii mashinostroyeniya (Problems of Accuracy in Machine-Building Technology) Moscow, Mashgiz, 1959. 90 p. Errata slip inserted. 3,500 copies printed.
- Ed.: B.S. Balaskshin, Doctor of Technical Sciences, Professor; Ed. of Publishing House: M.N. Morozova; Tech. Ed.: L.P. Gordeyeva; Managing Ed. for Literature on Metal Working and Instrument Making (Mashgiz): R.D. Beyzel'man, Engineer.
- PURPOSE: This collection of articles is intended for engineering and technical personnel of plants and laboratories and also for personnel of higher educational institutions and scientific institutes.
- COVERAGE: The collection includes articles by members of the department of Machine-building Technology of the Stankoinstrumental nyy institut imeni I.V. Stalin (Machine Tool and Small Tool Institute imeni I.V. Stalin) dealing with accuracy in the manufacture of

Card 1/4

. 18 2 . No. 18 . Alle Sold has blocked a declaration of the

sov/2245 Problems of Accuracy in Machine-Building (Cont.) machines. Various problems concerning accuracy in cylindrical grinding and machining of rigid steel parts by the method of fine turning on an ordinary lathe, the effect of machine tool rigidity on accuracy of machining, accuracy in high-speed reaming of deep holes, and problems concerning automatic assembly are discussed. TABLE OF CONTENTS: 3 Preface Gleyzer, L.A., Candidate of Technical Sciences, Docent. 5 Nature of the Cylindrical Grinding Process The process of cylindrical grinding was investigated. The results obtained show that the productivity, wear and life of a grinding wheel and the finish of a ground surface for a given grinding wheel and work depend only on radial pressure. Soloviyev, S.N., Candidate of Technical Sciences. Investigating the Accuracy of Machining Rigid Parts by the Methods of Fine 25 Turning Optimum conditions for obtaining 2nd class accuracy and class 7 to 8 surface roughness in high-speed machining on an ordinary turning lathe were determined. Card 2/4

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Problems of Accuracy in Machine-Building (Cont.) SOV/2245

Danilov, S.S., Candidate of Technical Sciences, Docent (Deceased).

Effect of the Rigidity of Model 116 Multicutter Semiautomatic Machine
Tool on Accuracy of Machining

Tool on Accuracy of Machining

A test method for determining the rigidity of multicutter machine tools is described. This method makes it possible to determine the operating conditions which insure the required accuracy of machining. Numerous practical instructions concerning the setting up of Model 116 semiautomatic machine tool are presented.

Minskiy, N.A., Candidate of Technical Sciences. High-Speed Reaming of Accurate Deep Holes
The author presents results of an experimental investigation of accuracy in high-speed reaming of holes 15-16 mm in diameter and 50D deep in parts made of type 50 A unquenched carbon steel having a Brinell hardness number between 177 and 217.

Maksimov, Yu.Ye., Engineer. Problems Concerning the Automation of Assembly Operation to Ensure Dimensional Accuracy Between the Assembled Elements

Card 3/4

. Problems of Accuracy in Machine-Building (Cont.)

SOV/2245

A model of an automatic assembly unit designed and built at the ZIL (Plant imeni Likhachev) is described. The unit performs several automatic operations such as bending wire and assembling the washer-rivet joint. The machine is to be used at agricultural machinery plants.

AVAILABLE: Library of Congress

Card 4/4

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SOLOVIYEV, S.N.

Device for precise adjustment of the cutting tool on lathes.

Mashinostroitel' no.5:23-24 My '60. (MIRA 14:5)

(Lathes—Attachments)

SOLOV'YEV, S.H., kand.tekhn.nauk; POHERANTSEV, L.M., kand.tekhn.nauk

Experimental investigation of a hydraulic copying rest.

Vest.mash. 40 no.9:65-67 S '60. (MIRA 13:9)

(Lathes)

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TSYGAHOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV, S.N.; BELEN'KIY, B.G.; FILIPPOVA, A.I.

Antibiotic substances of the polyene series. Report No.1: Study of the biological properties of actinomyces which produce polyene antibiotics. Eksp. i klin. issl. po antibiot. 2:6-12 160.

(MIRA 15:5)

(ANTIBIOTICS)

(ACTINOMYCES)

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TSYGANOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV, S.H.; BELEH'KIY, B.G.; FILIPPOTA, A.I.

Antibiotic substances of the polyene series. Report No.2: Study of the physicochemical properties of polyene antibiotics. Eksp. i klin. issl. po antibiot. 2:13-20 '60. (MIRA 15:5) (ANTIBIOTICS)

SOLOV'YEV, S.H.; MALYSHKINA, M.A.: BOL'SHAKOVA, L.O.

Chemistry of the polyene antibiotics. Report No.1:Isolation of the antibiotic 26/1 from the mycelium. Eksp. i klin. isel. po antibiot. 2:254-257 '60. (MIRA 15:5)

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SOLOV'YEV, S.N.; BELEN'KIY, B.G.; PETROVA, L.Ya.; MALYSHKINA, M.A.; BOL'SHAKOVA, L.O.; OVCHAROV, V.G.

Chemistry of the polyene antibiotics. Report No.2: Sorption properties of antibiotic 26/1 on anionites. Eksp. i klin. issl. po antibiot. 2: 258-262 '60. (ANTIBIOTICS) (ANIONS) (SORPTION)

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SOLOV'YHV, S.M.; BELEM'KIY, B.G.; PETROVA, L.Ya.; MALYSHKIMA, M.A.; OVCHAROV, V.G.

Chemistry of the polyene antibiotics. Report No.3: Purifying antibiotic 26/1 of amine admixtures. Eksp. i klin. issl. po antibiot. 2:263-267 '60. (MIRA 15:5) (AMINES)

The state of the s

TSYGANOV, V.A.; GOLYAKOV, P.N.; SOLOV'YEV; S.N.; BELEN'KIY, B.G.; FILIPPOVA,

Antibiotic properties and systematic position of some actinomycetes from the globisporus group. Report No. 2. Trudy Inst. microbiol. no.8:182-187 '60. (MIRA 14:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov. (ACTINOMICETALES)

MALYSHKINA, M.A.; BELEN: KIY, B.G.; SOLOV: YEV, S.N.

Chemical purification of antibiotic 26/1 (levorin). Antibiotiki 8 no.7:584-588 J1*63 (MIRA 17:3)

1. Leningradskiy nauchno-issledovateliskiy institut antibiotikov.

MALYSHKINA, M.A.; BELEN'KIY, B.G.; SOLOV'YEV, S.N.

Study of the physicochemical properties of antibiotic 26/1 (levorin). Antibiotki 8 no. 11:999-1002 N '63. (MIRA 17:9)

1. Leningradskiy nauchno-issledovatel'skiy institut antibictikov.

L 41333-65 EWT(1)/EWA(1)/EWA(b)-2 RO ACCESSION NR: AR4039967 s/0299/64/000/009/B025/B025

/0 B

SOURCE: Ref. zh. Biol. Sv. t., Abs. 9B190

AUTHOR: Severinets, L. Ya.; Solov'yev, S. N.

TITLE: Xanthalycins A and B - new antibiotics

CITED SOURCE: Sb. Materialy 3-y Nauchn. sessii Leningr. in-ta antibiotikov, 1963. L., 1963, 82

TOPIC TAGS: xanthalycin, antibiotic, polyene, pentane

TRANSLATION: Strain 1130/12 forms 2 antibiotics (named xanthalycin A and B) with antifungal activity. The new antibiotics belong to the pentane group of the polyene series which does not contain nitrogen in the molecule, but in physicochemical properties they differ from other pentanes (filipin, lagozin, pentamycin, and fungichromycin). Antibiotics A and B are similar to one another, but have a different coloring and the white one changes irreversibly into yellow under the effect of light. From a resume.

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BELENTKLY, H.O.; BOLTSHAMOVA, L.I.; KAMYSHKO, O.F.; MALYKHEND., Yo.V.;

antibiotic from a new type of Penicillium with glucose dehydrogenase activity. Antibiotiki 9 no.7:602-603 J1 64. (MIRA 18:3)

1. reningradskiy nauchno-issledovatel skiy institut antibiotikov.

SECTION OF THE PROPERTY OF THE PROPERTY OF A

SOLOVIYEV, S.N.; SEVERINETS, L.Ya.

Isolation, properties and separation of individual components of the antibiotic 1130/12. Antibiotiki 10 no.1:9-13 Ja 165.

1. Leningradskiy nauchno-issledovateliskiy institut antibiotikov.

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HOGIMHOVA, N.P.; KONEY, Yu.Ye.; SANNIKOV, V.A.: SCHOV'YEV, S.N.; COKOLOY, B.V.; TSYGANOY, V.A.

Identification of the entibiotic life produced by actinomycotes from the Actinonyces griseus group. Antibiotiki 10 no.3:195-201 Mr *65. (MIRA 18 10)

1. Len'ngradskiy nauchno-insledovatel*skiy institut autibiotikov.

BORGERALL ..., HARABEGINA, M.A.; KOTEUKO, T.V.; SCLOVIYEV, S.N.

haw antifungal antiblatic mycoheptin from the group of nonar matic heptaenes. Antibiatiki 10 na.94776-780 S 165. (MIRA 1819)

1. Len'ngradskiy nauchno-issledovetel'skiy institut antibiotikov, Głan'skiy politekhnicheskiy institut, Pol'skaya Narodnaya Respublika.

BOGDANOVA, N.P.; KOVALEVA, L.A.; SHENIN, Yu.D.: SOLOV*YEV, S.N.: TSYGANOV. V.A.; ZHUKOVA. R.A.; NAMFSTNIKOVA, V.P.

Violacein, a new antibiotic. Mikrobiologiia 34 no.41623-626 JI-Ag (MIRA 18:10)

1. Teningradskiy nauchno-issledovateliskiy institut antibiotikov.

TSYGANOV, V.A.; KONEV, Yu.Ye.; FURSENKO, M.V.; IOFINA, E.I.; AL'BERT, M.M.; MISTAFOVA, N.N.; VENKOVA, I.B.; SOLOV'YEV, S.N.; MALYSHKINA, M.A.; BOGDANOVA, N.P.; KOTENKO, T.V.; FILIPPOVA, A.I.

Isolation and characteristics of actinomycetes producing the antibiotic trichomycin. Antibiotiki 9 no.4:291-296 Ap 164.

(MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

L 22246-66 EHT(1)/T JK SOURCE CODE: UR/0297/65/010/001/0009/0013 ACC NRI AP6014828 AUTHOR: Soloviyev, S. N.; Severinets, L. Ya. ORG: Leningrad Scientific Research Institute of Antibiotics (Leningradskiy nauchnoissledovatel skly institut antibiotikov) TITLE: Isolation, properties, and separation into components of antibiotic SOURCE: Antibiotiki, v. 10, no. 1, 1965, 9-13 TOPIC TAGS: antibiotic, bacteria, solvent extraction, mouse/1130-12 antibiotic The antibiotic 1130/12 was isolated from the mycelium of a strain ? of Actinomyces xantholicus, by extraction with ethanol. It is in the form of light-yellow amorphous powder, soluble in dimethylformamide, low alcohols, acetone, glacial acetic acid, glycol, and pyridine; it is insoluble in chloroform, ether, water, and petroleum ether. A qualitative analysis indicates the presence of a polyene grouping, and the absence of sugars, glucosamines, sulfur, and haloids. The steps required for the isolation of the antibiotic are as follows: a) exidation of the cultural liquid diluted with HCl to a pH of 3.5-4.0; b) isolation of the mycelium; c) triple treatment of the mycelium with ethanol, 1:2 (weight/volume); d) neutralization of the extracts to a pH of 7.(e) concentration under a vacuum; f) precipitaition by water; g) separation and washing of the precipitate with water; Card 1/2 TDC: 615.779.931-011/014

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redkovava and B. V.	logical control: A. A	N. Shatik for bi	yaya and V.	egorenkov
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ACC 110 AP6034131 SOURCE CODE: UR/0297/66/011/010/0892/0898 AUTHOR: Bol'shakova, L. O.; Belen'kiy, B. G.; Solov'yev, S. N. ORG: Leningrad Scientific Research Institute of Antibiotics (Leningradskiy nauchno-issledovatel'skiy institut antibiotikov) TITLE: Partial hydrogenation of tetraene antibiotics over palladium SOURCE: Antibiotiki, v. 11, no. 10, 1966, 892-898 TOPIC TAGS: antibiotic, tetraene antibiotic, biningiameticialia, desag office hydrogenation, pollodium ABSTRACT: Partial hydrogenation of nystatin and pimericin over a palladium catalyst according to the system in soid, neutral, and alka-(A) R-(CH-CH)0-R' NH2 - R-(CH2-CH2)0 R' B) R R-(CN-CN) R' M1 - R-CN2-CN2-(CN-CN) 1-1 R' 2. R-CH2-CH2-(CH-CH)n-1R' - M2 - R-(CH2-CH2)2-(CH-CH)n-2 IR-(CN2-CN2)n-2 (CN+CN)2R-N2-R-(CN2-CN2)n-1-CN+CN+R n R-(CH)-CH)n-1-CH-CH-R'-R-(CH)-CH))nk' UDC: 615.779.9-012

line media was studied using ultraviolet and infrared adsorption spectrophotometric methods. Changes in biological activity correlated with decreased adsorption maximum of mystatin. The reaction was single stage in about 60% of the cases. Orig. art. has: 6 figures. [W.A. 50]								
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ORG: Lenings skiy nauchno-	ad Scientific Research Institute of Antibiotics (Leningrad issledovatel skiy institut antibiotikov)
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SOURCE: Anti	biotiki, v. 11, no. 10, 1966, 892-898
TOPIC TAGS:	antibiotic, tetraene antibiotic, biologic activity, des
ABSTRACT: Pa palladium cat	rtial hydrogenation of nystatin and pimaricin over a alyst according to the system in acid, neutral, and alka-
	(A) R-(CH-CH), -R' - NH2 - R-(CH2-GH2), R'
•	B) L R-(CN-CN) R' HZ R-CN3-CN2-(CN-CN) R-PR'
	2. R-CH2-CH2-(CH-CH)0-1R' - H2 - R-(CH2-CH2)2-(CH-CH)0-2R'
	n-1 R-(CH2-CH2)n-2 (CH-CH)2 R- H2-R-(CH2-CH2)n-1-CH-CH-R
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